SPECIAL FEATURE
MATTHEW SCHNEIDER

APRIL 27, 1978

CARTER'S SUN DAY IN COLORADO
(INSERTS IN TAPE LIBRARY)

ANNCR: NEXT WEDNESDAY, MAY THIRD IS THE DAY DESIGNATED AS "SUN DAY" IN THE UNITED STATES MILLIONS OF AMERICANS ARE EXPECTED TO TAKE PART IN "SUN DAY" PROGRAMS AS A NATIONAL RECOGNITION OF THE POTENTIAL OF SOLAR ENERGY. THE COAST-TO-COAST EVENT IS ALSO INTENDED TO EMPHASIZE THE PROMISE OF OTHER FOSSIL FUEL SUBSTITUTES SUCH AS GEOTHERMAL, WIND POWER AND TIDAL FLOW.

JIMMY IS LENDING HIS PRESIDENTIAL PRESTIGE TO SUN DAY BY FLYING TO COLORADO TO VISIT THE FEDERAL GOVERNMENT'S NEW SOLAR ENERGY RESEARCH INSTITUTE IN GOLDEN, A SUBURB OF DENVER. VOA WEST COAST CORRESPONDENT MATTHEW SCHNEIDER WAS THERE RECENTLY AND HAS THIS PREVIEW OF WHAT MR. CARTER WILL SEE.

VOICE: WHEN AIR FORCE ONE DESCENDS FOR A LANDING IN DENVER, THE PRESIDENT WILL SEE A PANAROMA THAT, MORE THAN 120 YEARS AGO, PROMPTED HORACE GREELY TO OFFER HIS FAMOUS ADVICE: "GO WEST YOUNG MAN," A PLACE WHERE THE GREAT PLAINS MEET THE ROCKY MOUNTAINS.

DURING HIS STAY IN THE DENVER AREA PRESIDENT CARTER WILL DRIVE TO SOUTH TABLE MOUNTAIN, THE FUTURE HOME OF THE SOLAR ENERGY RESEARCH INSTITUTE.

CONGRESS MANDATED THE INSTITUTE IN 1974 TO ACCELERATE THE DEVELOPMENT OF ALL SOLAR ENERGY TECHNOLOGIES. THE NEW AGENCY WILL LOBBY FOR SOLAR ENERGY WITH BOTH GOVERNMENT

VOICE: (CONT) AND PRIVATE INDUSTRY. THE INSTITUTE WILL ALSO CONDUCT AND COORDINATE RESEARCH, ANALYZE PLANS AND POLICIES AND STUDY THE ENVIRONMENTAL, GOVERNMENTAL AND SOCIAL FACTORS THAT INFLUENCE SOLAR DEVELOPMENT.

THE INSTITUTE'S CURRENT STAFF OF 150 SCIENTISTS, ENGINEERS, LAWYERS, SOCIAL PLANNERS AND OTHERS IS THOUGHT TO BE THE LARGEST GROUP OF PROFESSIONALS EVER ASSEMBLED FOR THE MAIN PURPOSE OF DEVELOPING SOLAR ENERGY. WHEN THE SOUTH TABLE MOUNTAIN FACILITIES ARE COMPLETED IN THE EARLY 1980S, THE STAFF WILL HAVE GROWN TO NEARLY NINE HUNDRED MEMBERS. THE DIRECTOR OF THE SOLAR ENERGY RESEARCH INSTITUTE IS PAUL RAPPAPORT:

TAPE: CUT ONE -- RAPPAPORT

"PEOPLE SHOULD RECOGNIZE THAT THERE IS GROWING OUT HERE IN GOLDEN, COLORADO, AN INSTITUTE THAT WILL BE UNIQUE IN THAT IT WILL BE ABLE TO STUDY THE PROBLEM OF SOLAR ENERGY FROM ALL ITS FACETS. I THINK THAT WE SHOULD BE ABLE TO MAKE A DIFFERENCE IN TERMS OF GUIDING THE NATION, (AND) THE DEPARTMENT OF ENERGY. WE THINK OF OURSELVES AS THE INVESTMENT STRATEGIST FOR THE NATION -- AND THIS STRATEGY HAS TO BE MODIFIED PERIODICALLY AS NEW TECHNOLOGIES COME INTO FRUITION AND NEW IDEAS ARE GENERATED."

VOICE: MR. RAPPAPORT SAYS THE INSTITUTE WILL BE SUCCESSFUL ONLY IF IT CAN STIMULATE THE WIDE USE OF SOLAR ENERGY. TOWARD THAT END, HE SAYS THE INSTITUTE WILL WORK CLOSELY WITH BUSINESS ON SOLAR IDEAS THAT CAN BE SUCCESSFUL IN THE MARKETPLACE. THE SOLAR INSTITUTE WILL ALSO COOPERATE WITH AMERICAN UNIVERSITIES WHERE MR. RAPPAPORT HOPES SOLAR ENERGY RESEARCH WILL FOCUS ON DEVELOPING CREATIVE AND ORIGINAL IDEAS FOR ITS USE.

VOICE: (CONT) ANOTHER OF THE NEW INSTITUTE'S KEY TASKS WILL BE TO MAINTAIN CLOSE CONTACT WITH THE INTERNATIONAL SCIENTIFIC COMMUNITY.

TAPE: CUT TWO RAPPAPORT

"WE DO EXPECT TO HAVE A MAJOR RESPONSIBILITY IN THE INTERNATIONAL SECTOR WITH RESPECT TO SOLAR ENERGY. IN THAT RESPECT I'M ENCOURAGING ALL COUNTRIES TO DEVELOP THEIR OWN SOLAR ENERGY RESEARCH INSTITUTE SO THAT WE CAN COLLABORATE WITH THEM. WE EXPECT TO HAVE A GREAT DEAL OF COMMUNICATION AND EXCHANGE OF INFORMATION WITHFOREIGN COUNTRIES. WE WILL ENGAGE IN TECHNICAL AID AND TECHNOLOGY DEVELOPMENT WITH THESE COUNTRIES. ULTIMATELY I HOPE THIS MEANS THAT THERE WILL BE MORE FOREIGN MARKETS FOR AMERICAN PRODUCTS. IT SHOULD BE MENTIONED, ALSO, THAT MANY FOREIGN COUNTRIES ARE REALLY MORE ABLE TO ACCOMMODATE OR SEE THE APPLICATION OF SOLAR ENERGY NOW BECAUSE THEY DO NOT HAVE THE WELL-DEVELOPED UTILITY INFRASTRUCTURE THAT WE HAVE IN THIS COUNTRY.

"THERE ARE MANY, MANY VILLAGES IN AFRICA, MILLIONS IN FACT, THAT ARE MORE THAN FIVE MILES (8 KM.) AWAY FROM A POWER LINE. SO THEY MUST HAVE A REMOTE TYPE OF EQUIPMENT. SOLAR ENERGY IS VERY SUITABLE FOR THAT. IN FACT, SOLAR ENERGY MAY GIVE THEM A MUCH MORE RELIABLE ELECTRICAL ENERGY SOURCE THAN, FOR EXAMPLE, THE DIESEL OR GASOLINE MOTOR SET. AND RELIABILITY COULD BE A VERY IMPORTANT THING FOR THEM BECAUSE IN ORDER FOR THEM TO GET SERVICE ON A (BROKEN) GENERATOR IT COULD TAKE SEVERAL MONTHS BEFORE THE LOCAL SERVICE REPRESENTATIVE GETS AROUND TO THAT VILLAGE. SO I LOOK FOR EXCITING THINGS TO BE HAPPENING IN THE INTERNATIONAL SECTOR."

VOICE: ON MAY THIRD WHEN PRESIDENT CARTER VISITS THE WIND-BLOWN SUMMIT OF SOUTH TABLE MOUNTAIN, HE WILL SEE SOME OF THE EFFECTS OF THE ENERGY SITUATION IN DENVER AND THE REGION SURROUNDING IT.

THE GOLD DOME OF THE COLORADO STATE CAPITOL BUILDING SYMBOLIZING THE WEALTH THAT STIMULATED THE STATE'S EARLY DEVELOPMENT, IS SEEN THROUGH A HAZE OF AUTOMOBILE POLLUTION THAT HANGS OVER THE CITY, A REMINDER OF THE URGENT NEED TO REPLACE FOSSIL FUELS.

VOICE (CONT): A FEW BLOCKS NORTH OF THE CAPITOL, DENVER'S CENTRAL BUSINESS DISTRICT IS DOMINATED BY A DOZEN NEW SKYSCRAPERS AND THE STEEL SKELETONS OF ANOTHER DOZEN UNDER CONSTRUCTION. MUCH OF THE GROWTH CAN BE TRACED DIRECTLY TO ENERGY DEVELOPMENT. SINCE 1974 THE NUMBER OF ENERGY COMPANIES WITH DENVER OFFICES HAS INCREASED FROM 350 TO MORE THAN ONE THOUSAND, AND MANY BANKS AND OTHER BUSINESSNESS HAVE FOLLOWED. THE DENVER AREA POPULATION HAS GROWN T MORE THAN ONE-POINT-SIX MILLION, AN INCREASE OF NEARLY 30 PER CENT IN SEVEN YEARS -- AND IS EXPECTED TO EXPAND TO NEARLY TWO MILLION BY THE YEAR 2000.

THE PRIME REASON FOR THIS ACTIVITY AND GROWTH LIES WITH THE VAST SUPPLIES OF ENERGY LOCATED WITHIN 800 KILOMETERS OF DENVER.

THE DEPARTMENT OF ENERGY ESTIMATES THAT COLORADO AND THE SURROUNDING STATES HOLD MORE THAN HALF THE U.S. COAL RESERVES; NEARLY ALL THE URANIUM, SUBSTANTIAL DEPOSITS OF NATURAL GAS AND OIL AND AN ESTIMATED 97 PER CENT OF AMERICA'S SHALE OIL -- THE EQUIVALENT OF 80-THOUSAND MILLION BARRELS OF CRUDE OIL. THE MANAGER OF THE DEPARTMENT OF ENERGY'S DENVER OFFICE, SAM MCFARLANE SAYS THE REGION HAS MORE FOSSIL FUEL RESERVES THAN "ALL THE KNOWN RESERVES IN THE REST OF THE WORLD."

THERE ARE ALSO MANY SITES IN THE REGION WHERE THE EARTH'S DEEP GEOTHERMAL HEAT COULD BE TAPPED. AND DENVER, LIKE MOST OF THE ROCKY MOUNTAIN WEST, ENJOYS ABOUT 300 DAYS OF

VOICE: (CONT) SUN SHINE EACH YEAR -- MAKING SOLAR ENERGY A STRONG CONTENDER FOR POWERING THE REGION'S DEVELOPMENT.

##

RK/PY